

Atty. Docket N . 59728.010600

PATENT

IN THE CLAIMS:

Please amend claims 1 and 5 to read as follows and please cancel claim 4, without prejudice or disclaimer of the subject matter recited therein:

1. (currently amended) A ~~pesticide~~ chemical agent delivery system for forming a bait station, comprising:
- a flexible material formed to create a spherical vessel wherein said spherical vessel has a diameter greater than 0.68 inches;
 - at least one pesticide and at least one attractant stored within said vessel;
 - and,
 - a pneumatic gun capable of firing said vessel at a target, thereby delivering said pesticide to said target.
and attractant
2. (original) The chemical agent delivery system of Claim 1, wherein said flexible material is biodegradable.
3. (original) The chemical agent delivery system of Claim 2, wherein said flexible material is gelatin.
4. (cancelled)
5. (currently amended) The chemical agent delivery system of Claim ~~4~~1, wherein said spherical vessel has a diameter of greater than 0.73 inches.
6. (original) A pesticide delivery system, comprising:
- a spherical gelatinous vessel with a diameter greater than 0.68 inches;
 - at least one pesticide stored within said vessel; and,
 - a pneumatic gun capable of firing said vessel at a target.
7. (original) A pneumatic, encapsulated chemical agent delivery device, comprising:


Atty. Docket No. 59728.010600**PATENT**

12

a reservoir capable of holding at least one encapsulated chemical agent;
a first cylindrical chamber, with a diameter greater than 0.68 inches, operably connected to said reservoir and into which at least one encapsulated chemical agent can be loaded for delivery to a target;
a compressed gas source operably coupled to a first end of said first cylindrical chamber;
a compressed gas release mechanism operably coupled to said compressed gas source; and,
a second cylindrical chamber, of a diameter greater than 0.68 inches, operably coupled to a second end of said first cylindrical chamber, and through which said encapsulated chemical agent travels prior to delivery to a target.

8. (original) The pneumatic, encapsulated chemical agent delivery system of Claim 7, wherein said first cylindrical chamber and said second cylindrical chamber are portions of a common cylindrical chamber.
9. (withdrawn) A chemical agent delivery system, comprising:
a flexible material formed to create a vessel;
at least one beneficial or detrimental chemical agent stored within said vessel; and,
a delivery device capable of delivering said vessel to said target, whereby said vessel is caused to burst upon impact to deliver said chemical agent to said target in a localized fashion.
10. (withdrawn) The chemical agent delivery system of Claim 9, wherein said flexible material is comprised of a biodegradable material.
11. (withdrawn) The chemical agent delivery system of Claim 10, wherein said flexible material is gelatin.

Atty. Docket No. 59728.010600**PATENT**

- 
12. (withdrawn) The chemical agent delivery system of Claim 9, wherein said flexible material contains a substance that makes said flexible material unpalatable.
13. (withdrawn) The chemical agent delivery system of Claim 9, wherein said flexible material allows said chemical agent to be slowly released from said vessel.
14. (withdrawn) The chemical agent delivery system of Claim 13, wherein said flexible material is coated with a biodegradable, nonporous material.
15. (withdrawn) The chemical agent delivery system of Claim 9, wherein said chemical agent is a pesticide and pest attractant.
16. (withdrawn) The chemical agent delivery system of Claim 9, wherein said chemical agent is a pesticide.
17. (withdrawn) The chemical agent delivery system of Claim 9, wherein said chemical agent is an insect repellant.
18. (withdrawn) The chemical agent delivery system of Claim 9, wherein said delivery device is a pneumatic delivery device.
19. (withdrawn) The chemical agent delivery system of Claim 18, wherein said pneumatic delivery device is a paintball gun.
20. (withdrawn) The chemical agent delivery system of Claim 19, wherein said paintball gun is capable of delivering vessels of a size greater than 0.68 caliber.
21. (withdrawn) The chemical agent delivery system of Claim 20, wherein said paintball gun is capable of delivering vessels of 0.73 caliber.

Atty. Docket No. 59728.010600**PATENT**

22. (withdrawn) The chemical agent delivery system of Claim 9, wherein said delivery device is mounted to a vehicle.
23. (withdrawn) The chemical agent delivery system of Claim 9, wherein said delivery device is an aircraft from which said vessel is dropped.
24. (withdrawn) A chemical agent delivery method, comprising:
forming a vessel from a flexible material;
filling said vessel with at least one chemical agent designed to be beneficial or detrimental to a target;
sealing said vessel;
ejecting said vessel from a delivery device; and,
causing said vessel to contact a target.
25. (withdrawn) A chemical agent delivery method, comprising:
forming a vessel from a flexible material;
filling said vessel with at least one chemical agent;
sealing said vessel; and,
dropping said vessel from a height sufficient to cause said vessel to burst on impact.
26. (withdrawn) The chemical agent delivery means of Claim 25, in which said vessel is dropped from an aircraft.
27. (new) The chemical agent delivery system of claim 1, wherein said pneumatic gun is capable of accelerating said vessel to a velocity of at least 300 feet-per-second.
28. (new) The chemical agent delivery system of claim 1, wherein said pesticide is formulated for the reduction of insects commonly known as fruit flies.

Atty. Docket No. 59728.010600

PATENT

29. (new) The chemical agent delivery system of claim 1, wherein said vessel is fired from said pneumatic gun from an aerial vehicle.
30. (new) A chemical agent delivery system for forming a bait station to eradicate insects commonly referred to as fruit flies, comprising:
a flexible material formed to create a spherical vessel;
at least one pesticide and at least one attractant stored within said vessel,
wherein the at least one attractant and at least one pesticide are formulated for the treatment of insects commonly referred to as fruit flies; and,
a pneumatic gun capable of firing said vessel at a target, thereby delivering said pesticide to said target.
31. (new) The chemical agent delivery system of Claim 30, wherein said at least one attractant includes a spinosad.
32. (new) The chemical agent delivery system of Claim 30, wherein said spherical vessel is comprised of a wax matrix material.
33. (new) A chemical agent delivery system for forming a bait station, comprising:
a flexible material formed to create a spherical vessel;
at least one pesticide and at least one attractant stored within said vessel;
and,
a pneumatic gun capable of firing said vessel at a target, thereby delivering said pesticide to said target, wherein said pneumatic gun is operated from an aircraft.
34. (new) The chemical agent delivery system of Claim 33, wherein said pneumatic gun is mounted to said aircraft.
35. (new) A chemical agent delivery system for forming a bait station, comprising:
a flexible material formed to create a spherical vessel;

Atty. Docket No. 59728.010600**PATENT**

at least one pesticide and at least one attractant stored within said vessel;
and,

an aerial chemical agent delivery means, for delivering said spherical vessel to a target site to aid in eradication of at least one pest.

36. (new) The chemical agent delivery system of Claim 35, wherein said aerial chemical agent delivery means includes dropping the spherical vessel from an aircraft.

37. (new) The chemical agent delivery system of Claim 35, wherein said aerial chemical agent delivery means is a rotary winged aircraft.

38. (new) The chemical agent delivery system of Claim 35, wherein said aerial chemical agent delivery means is a fixed wing aircraft.